

ATTACHMENT A

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A member ~~(2)~~ for potential ~~equalising~~equalizing between a first conducting member ~~(4)~~ and a second conducting member ~~(6)~~ of a wind turbine blade ~~(8)~~ comprising

- an electrical conductor ~~(10)~~,
- a first contact part ~~(12)~~ for providing a potential ~~equalising~~equalizing connection between said first conducting member ~~(4)~~ of said wind turbine blade ~~(8)~~ and said electrical conductor ~~(10)~~, second contact part ~~(14)~~ for providing a potential ~~equalising~~equalizing connection between a second conducting member ~~(6)~~ of said wind turbine blade ~~(8)~~ and said electrical conductor ~~(10)~~,

wherein said first contact part ~~(12)~~ is shaped substantially as a ribbon and said first conducting member ~~(4)~~ comprises carbon fibres.

2. (Currently Amended) A member ~~(2)~~ for potential ~~equalising~~equalizing according to claim 1, wherein said first contact part ~~(12)~~ comprises a conducting metal ribbon ~~(20)~~ such as e. g. a flexible sheet or a flexible mesh.

3. (Currently Amended) A member ~~(2)~~ for potential ~~equalising~~equalizing according to ~~any one of the claims 1 to 2~~claim 1, wherein said conducting metal ribbon ~~(20)~~ has a width of more than 1 cm, preferably said conducting metal ribbon has a width of between 2 to 30 cm, more preferably said conducting metal ribbon has a width of between 3 to 10 cm, such as 5 cm.

4. (Currently Amended) A member ~~(2)~~ for potential ~~equalising~~equalizing according to ~~any one of the claims 1 to 3~~claim 1, wherein said first contact part ~~(12)~~ further comprises a contact-enhancing layer ~~(22)~~ connected to the side of said conducting metal ribbon ~~(10)~~ to be oriented towards said first conducting member ~~(4)~~.

5. (Currently Amended) A member ~~(2)~~ for potential ~~equalising~~equalizing according to claim 4, wherein said contact- enhancing layer ~~(22)~~ extends beyond the conducting metal ribbon ~~(20)~~ in at least one direction in the plane of the conducting metal ribbon ~~(20)~~.

6. (Currently Amended) A member ~~(2)~~ for potential ~~equalising~~equalizing according to ~~any one of the claims 1 to 5~~ claim 1, wherein said first contact part ~~(12)~~ further comprises a cover layer ~~(24)~~ connected to the side of said conducting metal ribbon ~~(10)~~ to be oriented away from said first conducting member ~~(4)~~.

7. (Currently Amended) A member ~~(2)~~ for potential ~~equalising~~equalizing according to claim 6, wherein said cover layer ~~(24)~~ extends beyond the conducting metal ribbon ~~(20)~~ in at least one direction in the plane of the conducting metal ribbon ~~(20)~~.

8. (Currently Amended) A member ~~(2)~~ for potential ~~equalising~~equalizing according to ~~any one of the claims 4 to 7~~ claim 4, having a contact-enhancing layer ~~(22)~~ and a cover layer ~~(24)~~, wherein said contact- enhancing layer ~~(22)~~ and said cover layer ~~(24)~~ extend beyond the conducting metal ribbon ~~(20)~~ in at least two directions in the plane of the conducting metal ribbon ~~(20)~~ and said contact-enhancing layer extends beyond said cover layer in at least two directions in the plane of the conducting metal.

9. (Currently Amended) A member for potential ~~equalising~~equalizing according to ~~any one of the claims 4 to 8~~ claim 4, wherein said cover layer ~~(24)~~ and/or said contact-enhancing layer ~~(22)~~ is a flexible and conductive material, more preferably said contact-enhancing layer comprises a loose non-woven material such as e. g. a web, a veil or a fleece material.

10. (Currently Amended) A member for potential ~~equalising~~equalizing according to ~~any one of the claims 4 to 9~~ claim 4, wherein said cover layer ~~(24)~~ and/or said contact-enhancing layer ~~(22)~~ is at least partially impregnated with a resin such as a prepreg or a semi-preg, preferably a single-side-impregnated semi-preg.

11. (Currently Amended) A member ~~(2)~~ for potential ~~equalising~~equalizing according to ~~any one of the claims 1 to 10~~ claim 1, wherein said second contact part ~~(14)~~ comprises a clamp for connecting to a lightning conductor, preferably a clamp for connection to a lightning conductor cable.

12. (Currently Amended) A member ~~(2)~~ for potential ~~equalising~~equalizing according to ~~any one of the claims 1 to 10~~ claim 1, wherein said second contact part ~~(14)~~ is substantially equivalent to said first contact part ~~(12)~~.

13. (Currently Amended) A member for potential ~~equalising~~equalizing according to ~~any one of the claims 1 to 12~~ claim 1, wherein said electrical conductor ~~(10)~~ is a conducting metal ribbon.

14. (Currently Amended) A member for potential ~~equalising~~equalizing according to claim 13, wherein said conducting metal ribbon ~~(20)~~ is a part of and/or an extension of said conducting metal ribbon of said electrical conductor ~~(10)~~.

15. (Currently Amended) A member ~~(2)~~ for potential ~~equalising~~equalizing according to ~~any one of the claims 2 to 14~~ claim 2, wherein said conducting metal ribbon ~~(20)~~ and said electrical conductor ~~(10)~~ are good conductors and relatively inert, preferably said conducting metal ribbon ~~(20)~~ and/or said electrical conductor ~~(10)~~ comprise a metal selected from the group consisting of copper, steel, stainless steel, ~~aluminium~~aluminum, nickel, chromium, tin and silver, more preferably said conducting metal ribbon ~~(20)~~ and/or said electrical conductor ~~(10)~~ comprise copper.

16. (Currently Amended) A member ~~(2)~~ for potential ~~equalising~~equalizing according to ~~any one of the claims 4 to 10~~ claim 4, wherein at least one of said cover layer ~~(24)~~ and/or contact-enhancing layer ~~(22)~~ is a good conductor and relatively inert, preferably said cover layer ~~(24)~~ and/or said contact-enhancing layer ~~(22)~~ comprise a metal selected from the group consisting of copper, steel, stainless steel, ~~aluminium~~aluminum,

nickel, chromium, tin and silver, more preferably said cover layer ~~(24)~~ and/or said contact-enhancing layer ~~(22)~~ comprise stainless steel.

17. (Currently Amended) A member ~~(2)~~ for potential ~~equalising~~equalizing according to ~~any one of the claims 15 to 16~~ claim 15, wherein at least one of said conducting metal ribbon ~~(20)~~, cover layer ~~(24)~~, said contact-enhancing layer ~~(22)~~ and said electrical conductor ~~(10)~~ comprises a combination of materials.

18. (Currently Amended) A member ~~(2)~~ for potential ~~equalising~~equalizing according to claim 17, wherein said combination of materials is inhomogeneous, preferably

- a layered structure, such as silver-coated tin or silver-coated copper, and/or
- a structure with particulate integrated material, such as a metal with a filler or a polymer with carbon black or metal particles, and/or
- a structure comprising fibres, such as glass fibres, aramid fibres and/or carbon fibres.

19. (Currently Amended) A member for potential ~~equalising~~equalizing according to ~~any one of the claims 1 to 16~~ claim 1 ~~equalising~~equalizing connection between one or more further conducting members of said wind turbine blade ~~(8)~~ and said electrical conductor ~~(10)~~.

20. (Currently Amended) A member for potential ~~equalising~~equalizing according to ~~any one of the claims 1 to 19~~ claim 1, wherein said first contact part ~~(12)~~ is adapted to provide a potential ~~equalising~~equalizing connection to said first conducting member (4), ~~characterised~~characterized in that said first conducting member ~~(4)~~ comprises fibres such as reinforcement fibres in a carbon-fibre and/or glass-fibre reinforced plastic, preferably a significant part of the conductance of said first conducting member is provided for by a carbon fibre component of said first conducting member.

21. (Currently Amended) A member ~~(2)~~ for potential ~~equalising~~equalizing according to ~~any one of the claims 1 to 20~~ claim 1, wherein said conducting metal ribbon ~~(20)~~ is

oriented-substantially orthogonal to at least some of the carbon fibres of said first conducting member, preferably said conducting metal ribbon (20) is oriented substantially orthogonal to the main orientation of the carbon fibres of said first conducting member.

22. (Currently Amended) A wind turbine blade comprising

- a member for potential ~~equalising~~equalizing according to ~~any one of the claims~~ claim 1
- a first conducting member connected to said first contact part of said member for potential ~~equalising~~equalizing, said first conducting member optionally comprising carbon fibres and
- a second conducting member connected to said second contact part of said member for potential ~~equalising~~equalizing.

23. (Currently Amended) A wind turbine blade comprising a number of members for potential ~~equalising~~equalizing according to ~~any one of the claims 1 to 21~~ claim 1, said members for potential ~~equalising~~equalizing connected to said first and second conducting members are positioned at regular or irregular intervals along the length of said wind turbine blade.

24. (Currently Amended) Use of a member (2) for potential ~~equalising~~equalizing according to ~~any one of the claims 1 to 21~~ claim 1 for potential ~~equalising~~equalizing of conducting members (4,6) of a wind turbine blade (8).

25. (Currently Amended) Use of a number of members (2) for potential ~~equalising~~equalizing according to ~~any one of the claims 1 to 21~~ claim 1 for potential ~~equalising~~equalizing of two or more conducting members (4,6) of a wind turbine blade (8) at regular or irregular intervals along the length of said wind turbine blade (8).

26. (Currently Amended) Use of a member (2) for potential ~~equalising~~equalizing according to ~~any one of the claims 1 to 21~~ claim 1 for transferring at least a part of a

lightning current to a lightning conductor, such as from a conducting member comprising carbon fibres to a lightning conductor cable (30).

27. (Currently Amended) A method for manufacturing of a member (2) for potential ~~equalising~~equalizing according to ~~any one of the claims 1 to 24~~ claim 1, comprising the steps of:

- providing a contact-enhancing layer (24) at and/or near a first contact part (12),
- providing a conducting metal ribbon (20) at least in said first contact part (12),
providing an electrical conductor (10),
- optionally providing a cover layer (24) at and/or near said first contact part (12),
and - providing a second contact part (14).

28. A method for manufacturing of a member according to ~~any one of the claims 1 to 24~~ claim 1, comprising the steps of:

- providing a first conducting member to be potential-~~equalised~~equalized,
- providing a contact-enhancing layer (24) at least partially in contact with said first conducting member (4),
- providing a conducting metal ribbon (20) in contact with at least a part of said first conducting member (4) and/or said optional contact- enhancing layer (12),
- providing an electrical conductor (10)
- optionally providing a cover layer (24) in contact with said conducting metal ribbon (20), and
- providing a second contact part (14).

29. (Currently Amended) A method for manufacturing according to ~~any one of the claims 27 to 28~~ claim 27, wherein said conducting metal ribbon and said electrical conductor are integrated.

30. (Currently Amended) A method for manufacturing according to ~~any one of the claims 27 to 29~~ claim 27, wherein at least one of said contact-enhancing layer and said

optional cover layer is a prepreg, a semi-preg or a dry loose non-woven material such as a web, a veil or a fleece material, preferably a single-side-impregnated semi-preg.

31. (Currently Amended) A method for manufacturing according to ~~any one of the claims 27 to 30~~ claim 27, further comprising the step of:

- providing a resin and/or an adhesive in contact with said contact- enhancing layer ~~(22)~~ and/or said conducting metal ribbon ~~(20)~~ and/or said cover layer.

32. (Currently Amended) A method for manufacturing according to ~~any one of the claims 27 to 31~~ claim 27, further comprising the step of:

- pre-consolidating said member ~~(2)~~ for potential ~~equalising~~ equalizing.

33. (Currently Amended) A method for manufacturing according to ~~any one of the claims 27 to 32~~ claim 27, further comprising the step of:

- curing said member ~~(2)~~ for potential ~~equalising~~ equalizing, optionally by a co-curing process wherein said member (2) for potential ~~equalising~~ equalizing and at least a part of said wind turbine